Chalmers Wins World Record In 24-Hour Speedway Run have sized delivery.

A stock Chalmers chassis was against 923 for the old record. The driven over the Sheepshead Bay speedway, 1,885 miles, in twenty-four hours at an average actual running agaL. At 11:28 Dawson took the wheel speed of 81.09 miles per hour. This dazzling run is the highest perform-ance ever made under the observa-tion of the American Automobile

best previous record of 1,519 miles in twenty-four hours, which was made by the Hudson in May, 1916. The start of this record-making run was made Wednesday afternoon, Aug. 1. The Chaimers was driven by Joe Dawson all but five hours, when Joe Gardham another member of the Chalmers factory experimental staff, took the wheel in relief.

in twenty-four hours, has a motor with a piston displacement of 28 cubic inches, whereas the Chalmers stock motor which traveled 1.598 miles in the same time over the same course, has only 224 cubic inches displacement.

The canvas covering over No. 3 pit at the Sheepshead Bay speedway flapped vigorously in the wind. The sky was overcast. Alongside the pit sky was overcast. Alongside the pit stood a little car, as lithe as a gray-hound, as sturdy as an oak. There was a crash of thunder, vivid flashes of lightning, and then the rain descended. The men in the judges' stand crowded closer to the center of the stand in an attempt to escape the downpour. The attendants at the pit sought dry spots. The starter who had been waiting patiently at the starting tape while the electrical timing device was tried out, ran for shelter. Only the little black-and-white car stood in the rain seeming to set at defiance the elements. Soon the rain had spent its force, though it continued to fall. A white-clal driver climbed into the its force, though it continued to lain
A white-clal driver climbed into the
left-hand seat of the little car. There
was a whir of the self-starter au
then a savage bark that told the
gasoline had taken hold.

gasoline had taken hold.

The little car flashed around the course and Fred J. Wagner, the starter of all of America's important auto events, waved it on its way. The attempt at the record began at 5:2 p. m. Around the two-mile saucer sped the car and the tape clicked at the record the little property of the started the little property.

sped the car and the tape clicked as it crossed the line. Down the slippery track and into the turns it flew, its motor murmuring as contentedly as a brook on its way to the sea.

One hour passed. Eighty-three miles was recorded, against 77 for the first hour of the former record. Round and round came the car. At 282 miles Dawson drew into the pit, took on gas, oil and water, o. k. and was gone in less than four minutes. In order to prove conclusively that the motor need not be stopped during the entire run the spark plug was changed while the the spark plug was changed while th motor hummed on.

Through the long night Dawson drove on, stopping at intervals for food and for fuel, oil and gas for hi engine, but never for any mechanica

Fog Obscures View. A heavy fog rolled in from the East 2 o'clock in the morning. At 3 m. Dawson rolled up to the pits

<u>|</u>

and turned the when Gardham drew in for gas later he said the fog was so dense on the turns that he had to ride up against the outside rall in order to keep his bearings on the turns a little after 5 m. Daw-

The Chaimers Company now holds wheel again. He completed twelve he name for endurance. hours with 967 miles to the car's credit

The drivers took an orangeade and sandwiches while the car was being fed. A big chicken dinner was served in the judges stand at 7 o'clock the Association.

The Chaimers thus shattered the best previous record of 1,519 miles in twenty-four hours, which was made by the Hudson in May, 1916. The by the Hudson in May, 1916. The twenty-four hours.

Fred J. Wagner's electrical timing device is used. Professor Richard Leavell, of Iowa State University, device is used. Professor Richard
Leavell, of Iowa State University,
operating it. Mr. H. A. Tarantous,
technical editor of Motor, was the
technical representative of the A. A.
A., under whose sanction the test wad
conducted. W. F. Sturm, Chalmers The feat of the Chalmers is the most remarkable performance to the credit of any motor car. The Hudson, which created a world-wide sensation when it traveled 1,319 miles a motor than the sensation when it traveled 1,319 miles a motor than the sensation when it traveled 1,319 miles a motor than the sensation when it traveled 1,319 miles a motor than the sensation when it traveled 1,319 miles a motor than the sensation when it traveled 1,319 miles a motor than the sensation when it traveled 1,319 miles a motor than the sensation when the sensation where the sensation where the s them.

The average an hour for the total The average an hour for the total time was 79.0833 miles, the old record being 75.8. The stops took up 35 minutes 7 seconds. The actual running time was at an average of 81.09 miles an hour, against the old record of 78.6.

Took Outside of Disc.

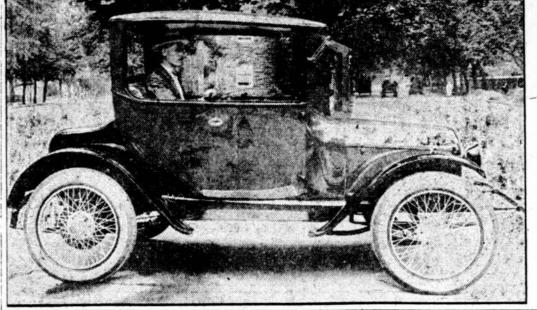
One peculiarity of the test of in

i	Chalmers Perform-	Old
Hour.	ance.	Record.
1		77.77
2		77,154
3		79.233
4		75.308
5		81.389
6		74,463
7		79.542
8		74.616
9		82,698
10		72,770
11		80.850
12		73.923
	82.1039	81,1004
14		74,1078
5		80, 1158
16		75,1233
17		77,1310
18		72.1382
19		79.1461
20		71.1532
21		65, 1597
99		72.1669
99		71,1740
24		79.1819
Chalmers pe	rformance per he	our
including	stops	79.0833
Old record		75.80

excluding stops....

The world's consumption of tea has tripled in the last thirty years, and the production of the 1915-1916 season

THE NEW DETROIT ELECTRIC with Mr. John A. Sterrett at the wheel. This car has been sold to Mr. E. J. Stellwagen, president of the Union Trust Company, of Washington, D. C. Sterrett & Fleming have sixteen new Detroit Electrics on the showroom floor here in Washington ready for immediate



PRACTICAL PARAGRAPHS

For Everybody Who Owns an Automobile

wheels which are out of align-cause undue tire wear. Few rs, however, realism that the condition mentioned is caus-ting the trouble. ment cause undbe tire wear. Few owners, however, realize that rims which are loose or otherwise improperly mounted will have the same erfect of causing excessively rapid tread
wear. A loose rim generally makes
its presence known by a clicking or
squeaking sound. This is not always
so, for occasionally a small stone or
some sand may get between the rim
and felloe so as to prevent noise. The
rim appears to be tight but in reality
when Fuses Blow.

the turn the first place.

When Fuses Blow.

the turn the trim
the first place.

When Fuses Blow.

The property mounted will have the same erdull finished, the latter being prone to
the turn to the turn
the trip capacity of the dull mamade miles.

O
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the trip capacity of the dull mamade miles.

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Nevenhalf or
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property mounted with the turn
to the turn to the turn
the trip capacity of the dull mamade miles. rim appears to be tight but in reality is running out of alignment and wear-ing out the tire.

Descending Grades. In driving down steep grades vari-ous resistences may be utilized to keep the car under control. If the engine is kept running and the gears are in high, there is only slight resistance. This may be increased by shifting into second speed and further increased by shifting into first. When still further resistance is needed to maintain a check on the progress of months old the dealer considers it throught the pump lead, while worthless. The fact that the battery the engine is running very slowly.

cause, is due to the fact that the clutch shaft is out of true with the center of the flywheel. This causes one side of the cone clutch to bind, while the other side is free; in the case of the disc clutch, the plates tend to hold only on one side. The result is that the cluch grabe when engaged. If persistent treatment and adjustment does to the cluck of the cluck o

Emergency Rim Expander. not help a ciutch, it is safe to conclude It is generally understood nowadays that the condition mentioned is caus-

On Upholstery.
The glossy finished leather-substitute upholstery is better than the perly mounted will have the same ef- dull finished, the latter being prone to

When Fuses Blow.

When Fuses Blow.
When lighting fuses blow out one after the other, it does not pay to keep replacing them; it is something more than coincidence. Try to find out the cause and the first place to look is in the cut-out. If this portion of the lighting system is of the type that has county which was become.

Priming the Oil Pamp.

In cars fitted with a piston-type oil that has points which may become stuck, it is very likely to cause con-tinued fuse breakage.

the car and it is not desired to use the bakes, the ignition may be shut off and the throttle closed. By opening the throttle the resistance is still mum service from it. Adding distribution of a conventional rime throttle the maximum of tilled water to the cells to believe the absence of a conventional rime. ing the throttle the resistance is still further increased. The maximum of resistance and the best control on a dangerously steep hill may be obtained by shifting into first, switching off the ignition and applying the brakes at intervals.

Clutch Treubles.

Immum service from it. Adding all In the absence of a control to the colls to bring the spread by means of t Clutch Troubles.

A great deal of clutch trouble for which the owner can find no obvious cause, is due to the fact that the clutch shaft is out of true with the care.

hearing which is too tight will loosen rapidly and will pound while so doing. It is bad practice to have the bearings taken up merely by refitting the movable half. The whole bearing should be refitted, if the part is to give really good service. In some cars improper fitting of the rear main bearing will throw the clutch shaft out of alignment and cause endless

Pseudo-Blowout Patch.

In the absence of a blowout patch a notorist recently tore up an old shirt and cemented a flat portion around the tube at the place opposite the hole in the casing. Two wrappings were made and the patch held for sixty

Never attempt to force the upper naif of the windshield up or down by

half of the windshield up or down by pushing on one side, especially if the

In cars fitted with a piston-type oil pump, failure to force the oil in its proper channels may be remedied by priming the pump. This is done by disconnecting the line behind the The Storage Battery.

After a storage battery is fifteen months old the dealer considers it throught the pump lead, w

expander, diagonally split rims may be spread by means of the lifting jack

EXPLOSIVE BULETS.

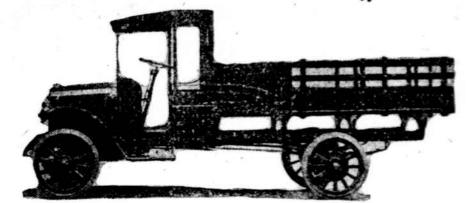
Explosive bullets are being used in the machine guns carried by Austrian and German aircraft on the eastern front, according to the Russkoye Slovo. German prisoners in the hands of the Russians say the order to fire explosive bullets from aeroplanes has been given to all German aviators. It and this be true, it gives the Teutons a distinct advantage over their adversaries, for one hit scored on the enemy's petrol tank would almost always

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ONE-TON TRUCK CHASSIS

\$865 F. O. B. Factory \$865



ALL STYLES OF BODIES FURNISHED

CHASSIS SPECIFICATIONS.

Engine—Four cylinders cast en bloc; stroke, 4½ inches; bore, 3% inches; cylinders and crank case integral; detachable head; valves 19-16 inches in diameter, location on right side and completely enclosed; crank shaft of exceptional strength; cam shaft and cams forged integrally from one piece of steel.

shaft and cams forged integrally from one piece of steel.

Ignition—Generator ignition system.
Cooling—Efficient Thermo-Syphon system.
Carbureter—Special atomizer type; dash adjustment to suit starting and running in any climate.

Transmission — Three-speed selective type; three speeds forward and reverse; enclosed in case which is bolted to fly-wheel housing; main shaft has roller bearings in front end, brouze bearings in rear end; gears are all chrome-nickel steel; heat treated.

Lubrication—Splash system with positive oil

Lubrication-Splash system with positive oil pump.
Gasoline Supply—Tank located in cowl, espac-ity 11 gallons. Positive feed even on steepest

Steering-Left-side drive with irreversible worm and gear.

Brakes—Service and emergency, both internal expanding in rear wheel drum.

Drive-Timken-David Brown worm and gear embodied in rear axie; propeller shaft has double universal and telescopic joints.

Axles-Front, heavy I-beam drop forged. Rear, ra heavy, with malieable iron housing. Timken Wheels-Heavy artillery type wood wheels

Tires—Regular equipment, solid tires (pressed on) 32x3 inches front, 32x4 inches rear. Optional equipment, solid tires (in removable rims) 33x3 inches front, 33x4 inches rear, 820 extra; preumatic tires 34x4½ inches with demountable rims on all four wheels, one extra rim, 830 extra.

Springs-Semi-elliptic front and rear. Frame-Pressed steel construction; side mem-s 4½ inches deep of 3-16-inch steel, supported

Capacity-2,000 pounds. hes. Gear Ratio-71/4 to 1. Wheel Base-124 Chassis Equipment—Seat, front fenders, elec-tric headlights and tail light, electric horn, gener-ator, storage battery S0-ampere-hour capacity, full set of tools.

Wheel Base—124-in. Gauge—56-in. front and rear. Length over all—15 ft. 10 in. Width over all—5 ft. 8 in.

Rear of sent to rear of frame-8 ft. 6 in. Extreme width of frame-36 in. Height of top of frame from ground in rear-

Weight of chassis-2,500 pounds.

H. B. LEARY, Jr.

Buick Model E-Six-46

Buick Model E-Six-47

1321-1323 14th St. N. W.

Phones North 4434-4435.

Buick Model E-Six-4

Announcement-1918 Ruch

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The Buick four and six cylinder valve-in-the-head motor cars for 1918 are models of finish and refinement.

Everywhere Buick cars are recognized as the leading high-grade — popular—successful automobile—at their respective prices. The 1918 models, with more power, and with the last word in equipment, will make Buick Valve-inthe-Head Motor Cars more popular than ever.

Buick Reputation Stands Supreme

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